



12/10/01 (Only for nonprovisional applications under 37 CFR 1.53(b))

UTILITY PATENT APPLICATION TRANSMITTAL LETTER

Assistant Commissioner
for Patents
Washington, D.C. 20231

Transmitted herewith for filing in the patent application of:

Kimon D. Roufas
Ying Zhang
David G. Duff
Mark H. Yim
Craig Eldershaw

Entitled: SIX DEGREE OF FREEDOM POSITION RANGING

Enclosed are:

- [X] 19 sheets of specification, 5 sheets of claims, 1 sheet of Abstract.
- [X] 6 sheets of [] formal/[X] informal drawings, Figures 1-4, 5a, 5b, 6a, 6b, 7-11.
Use Figure 11 for front page of Publication.
- [X] an assignment of an invention to XEROX CORPORATION (and transmittal therefor).
- [X] a Declaration and Power of Attorney for Patent Application.
- [] Information Disclosure Statement and PTO-1449
- [] Preliminary Amendment

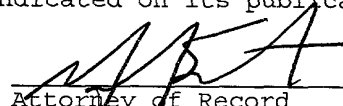
CLAIMS AS FILED				
FOR	NO. FILED	NO. EXTRA	RATE	FEE
TOTAL CLAIMS	20 - 20 =	0	[XX] \$18 LARGE [] \$09 SMALL	\$.00
INDEPENDENT CLAIMS	2 - 3 =	0	[XX] \$84 LARGE [] \$40 SMALL	\$.00
BASIC FEE	[XX] LARGE ENTITY	\$740	[] SMALL ENTITY	\$370
TOTAL FILING FEE				\$ 740.00

- ☒ Please charge Deposit Account No. 24-0037 in the amount of \$ 740.00.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required at any time during the prosecution of this application without specific authorization, or credit any overpayment to Deposit Account No. 24-0037.
- ☐ A check in the amount of \$ _____ to cover the filing fee is enclosed.
- ☐ This application is NOT to be published under 35 U.S.C. 122(b). The undersigned attorney or agent hereby certified that the invention disclosed in this application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.
- ☒ The assignee of this application to be indicated on its publication is Xerox Corporation.

Dec 10th 2001
Date"Express Mail" Mailing Label Number: EL 852682862US
Date of Deposit: December 10, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Assistant Commissioner For Patents, Washington, D.C. 20231

By: Karen M. Forsyth


 Attorney of Record
 Mark S. Svat
 Reg. No. 34,261
 FAY, SHARPE, FAGAN,
 MINNICH & MCKEE, LLP
 1100 Superior Avenue
 Seventh Floor
 Cleveland, Ohio 44114-2518
 (216) 861-5582